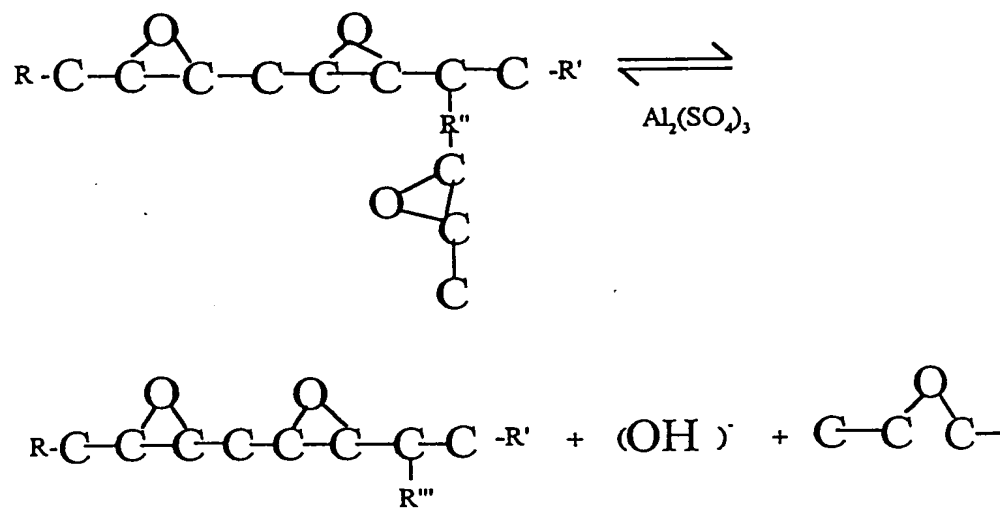
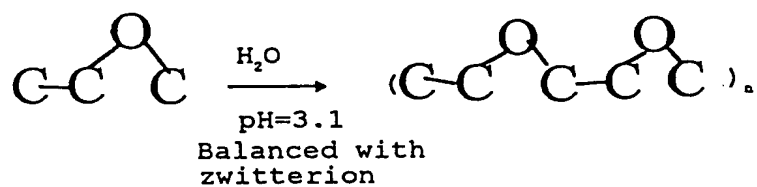


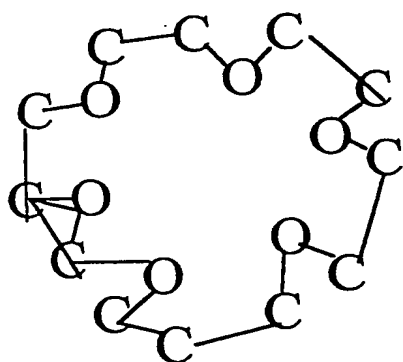
## EO-3 nonionic branched chain surfactant



NOTE:  $\text{Al}_2(\text{SO}_4)_3 + \text{H}_2\text{O} \rightleftharpoons \text{Al}_2(\text{SO}_4)_3 + \text{H}_2\text{O} + \text{H}_2\text{SO}_4 + \text{Al}(\text{OH})_3$



## ALTERNATIVE 1



## ALTERNATIVE 2

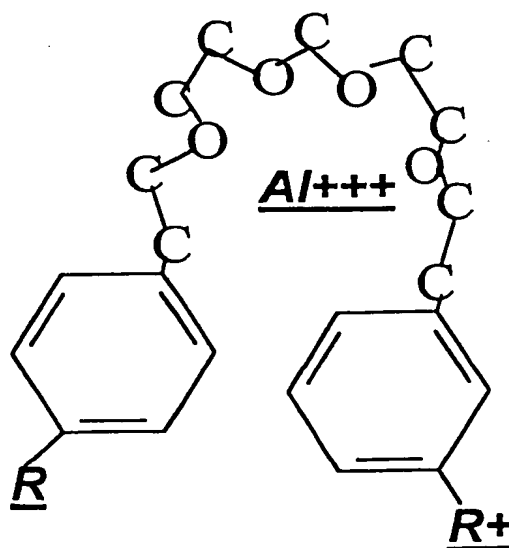


FIG. 1

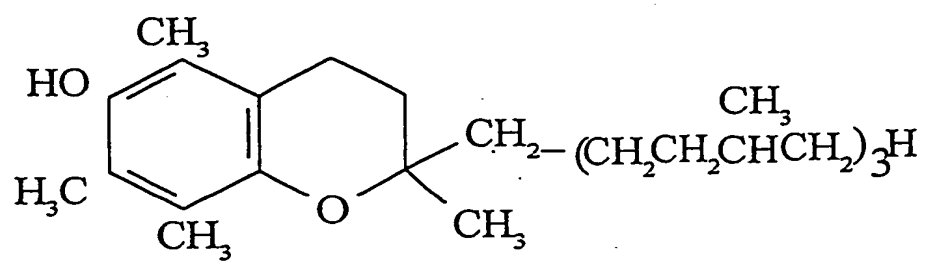


FIG. 2

# CALIXERAND

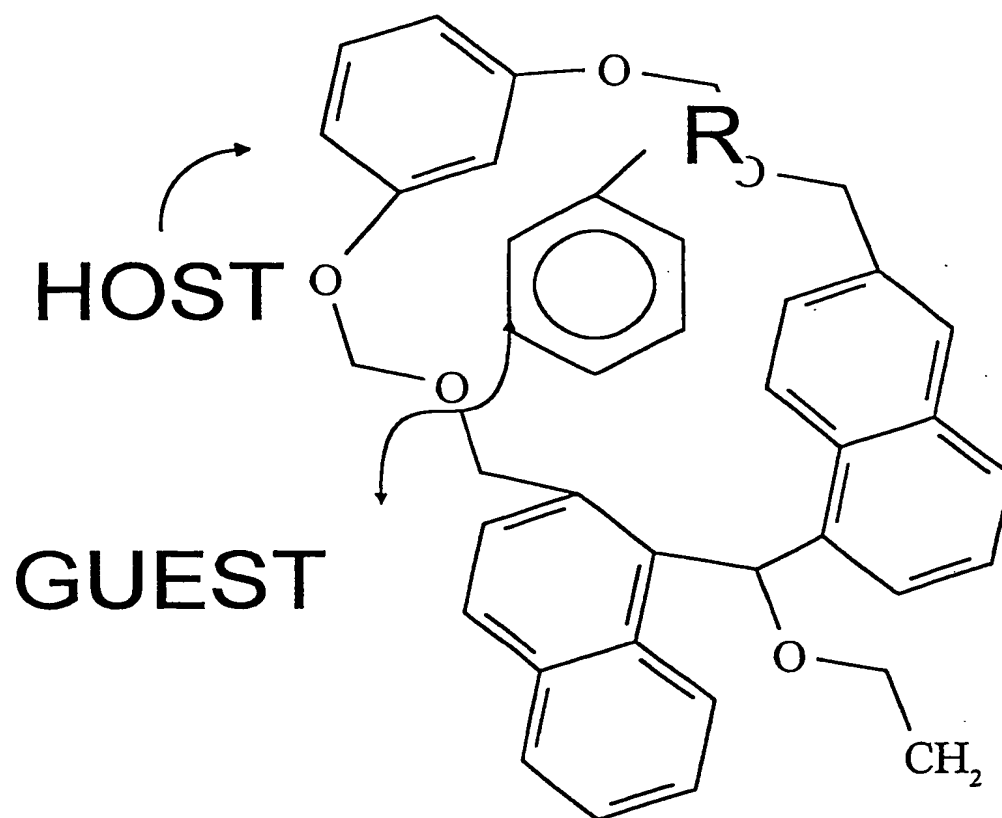


FIG. 3

# CALIXERAND

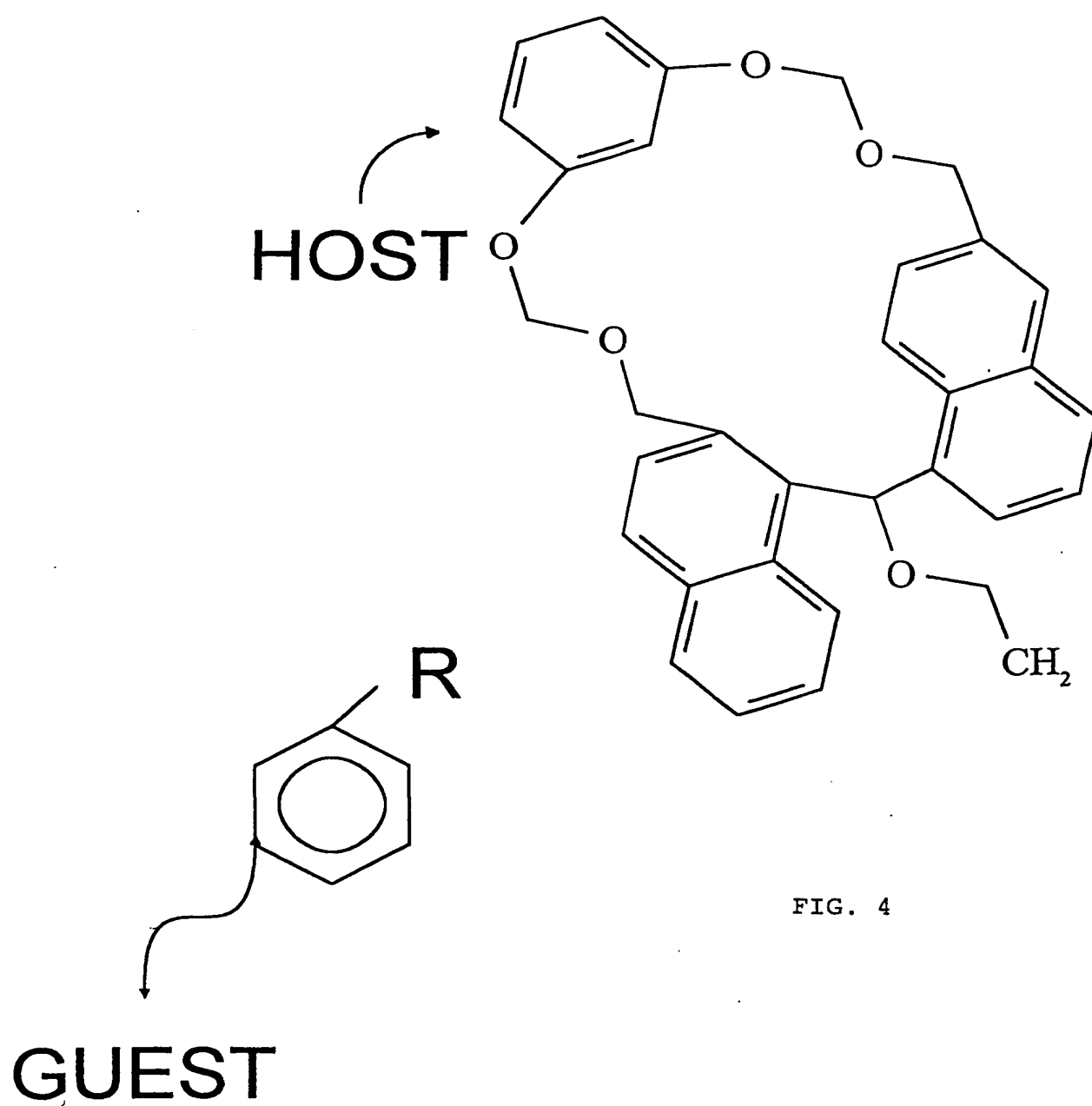


FIG. 4

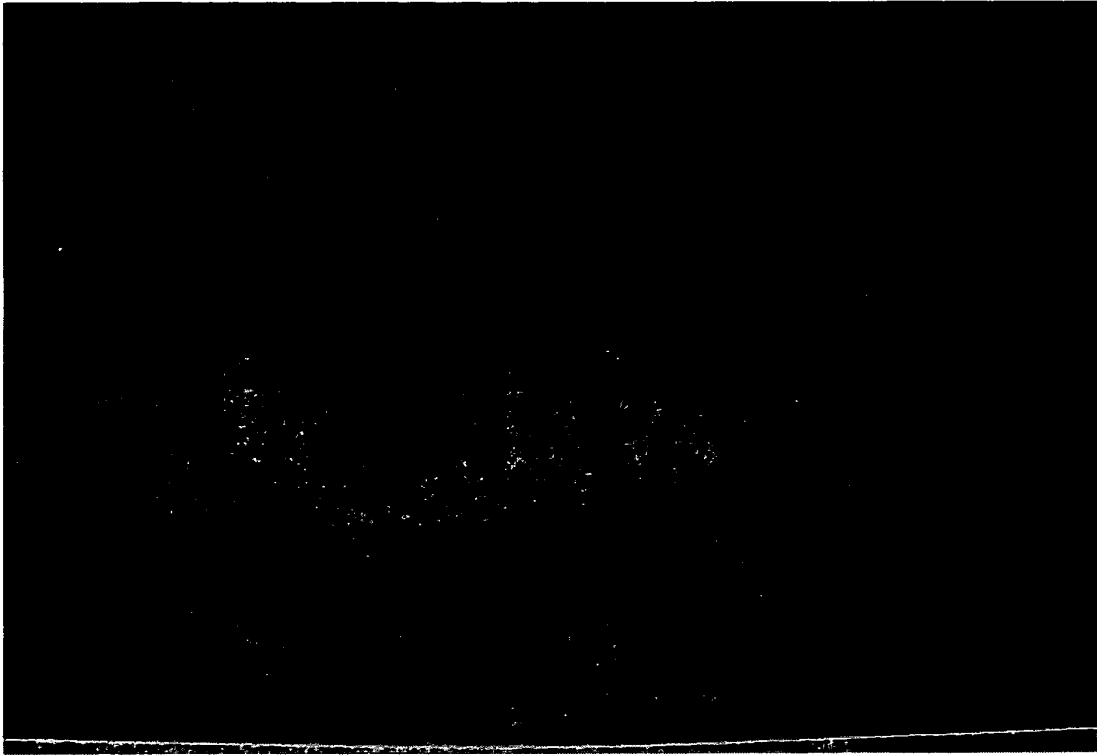


FIGURE 5



FIGURE 6